

Patent
Attorney Docket No.. 1190-001 NP

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JC06 Rec'd PCT/PTO 06 MAY 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Maria Flytzani-Stephanopoulos et al.

Application No.: Not yet assigned

Filed: Herewith

For: CATALYST HAVING METAL IN
REDUCED QUANTITY AND
REDUCED CLUSTER SIZE

Examiner: Not yet assigned

Art Unit: Not yet assigned

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached the forms PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the cited non-US references and non-patent literature documents are enclosed.

The above information is presented so that the U.S. Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. §1.104(a) and §1.105 concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

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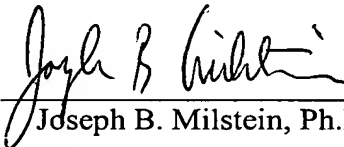
As provided for by 37 C.F.R. §1.97(h), no inference should be made that the information and references cited are material to patentability. Also, no inference should be made that a reference is prior art merely because it is included in this statement. Under 37 C.F.R. §1.97(g), the submission of an Information Disclosure Statement should not be considered as representation that a search has been made.

Further, Applicants hereby state that the first citation of the references by a foreign patent office in a counterpart foreign application was not made, in any communication from the foreign office, more than three months prior to this Information Disclosure Statement submission.

Applicants believe that no fee is required for submission of this statement. However, if a fee is required, the Director is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0289. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

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Date: May 6, 2005

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	Not yet assigned
Filing Date	Herein
First Named Inventor	Maria Flytzani-Stephanopoulos
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	1190-001NP

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-4,040,981	08/09/1977	Inaba et al.	
	AB	US-4,051,072	09/27/1977	Bedford et al.	
	AC	US-4,113,467	09/12/1978	Harrington	
	AD	US-4,292,282	09/29/1981	Welsh et al.	
	AE	US-4,499,204	02/12/1985	Vanderspurt et al.	
	AF	US-4,557,760	12/10/1985	Erpenbach et al.	
	AG	US-5,431,892	07/11/1995	Toyabe et al.	
	AH	US-5,624,977	04/29/1997	Takarada et al.	
	AI	US-6,180,072	01/30/2001	Veal et al.	
	AJ	US-6,239,065	05/29/2001	Schulz et al.	
	AK	US-6,455,023	09/24/2002	Gadkaree et al.	
	AL	US-2002/147103	10/10/02	Ruettinger et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
	BA	JP 10036314	02/10/1998	MITSUBISHI CHEM CORP	Abstract Only
	BB	PCT WO 00/37173	06/29/2000	HYDRO-QUEBEC	Abstract Only
	BC	PCT WO 00/68277	11/16/2000	BOREALIS TECHNOLOGY OY	Yes
	BD	EP 1138378	10/04/2001	JAPAN AS REPRESENTED BY DIRECTOR OF MINISTRY OF EDUCATION	Yes
	BE	PCT WO 01/94009	12/13/2001	JAPAN ENERGY CORPORATION	Abstract Only
	BF	PCT WO 02/20700	03/14/2002	EXXON MOBIL RESEARCH AND ENGINEERING CO.	Yes

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	International Search Report for PCT/US2003/35562 dated April 16, 2004	

Examiner
Signature

Date
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98.